

In the claims

1-80. (Canceled)

81. (Currently amended) An aquaculturally-raised aquatic animal made by cultivating an aquatic animal with a feed, wherein the feed is vegetarian and contains no fishmeal or fish oil and comprises ~~a combination of hydrolyzed plant protein and bacteria comprising a~~ carotenoid~~[[;]]~~ in a concentration of from 1 mg to 10 mg per kg of feed; and microalgae comprising docosahexaenoic acid (DHA), wherein at least 1% to about 50% by weight of the fat content of the feed is DHA, wherein the carotenoid is selected from the group consisting of lutein, zeaxanthin, and lycopene and derived from a source selected from the group consisting of marigold petals, Lycium Chinese Mill Berries, tomatoes, carotenoid producing microalgae, ~~diatoms~~, and bacteria, wherein the DHA increases the bioavailability of the carotenoid and wherein less than 50% of the total carotenoid content of the aquaculturally-raised aquatic animal is astaxanthin.

82. (Currently amended) The animal of claim 81, wherein the feed further comprises at least one of eicosapentaenoic acid (EPA) and arachidonic acid (ARA).

83. - 89. (Cancelled)

90. (Currently amended) The animal of claim 81, wherein the microalgae ~~[[are]]~~ is selected from the group consisting of *Cryptocodinium*, *Schizochytrium*, *Thraustochytrium*, *Pavlova*, *Tetraselmis*, and *Isochrysis* species, and combinations of these.

91. (Currently amended) The animal of claim 81, wherein the feed comprises ~~comprising at least~~ 12 grams of DHA per kilogram of feed ~~animal~~.

92. (Original) The animal of claim 81, being a crustacean.

93. (Original) The animal of claim 81, being a shrimp.

94. (Currently amended) The animal ~~[[shrimp]]~~ of claim 93, comprising more than 3 milligrams DHA per gram dry weight of ~~[[shrimp]]~~ feed.

95. (Original) The animal of claim 81, being a fish.
96. (Currently amended) The ~~[[fish]]~~ animal of claim 95, wherein more than about 5% of the total ~~extractable~~ fat of the fish is DHA.
97. (Original) The animal of claim 81, being a catfish.
98. (Original) The animal of claim 81, being a mollusk.
99. (Currently amended) The mollusk of claim 98, wherein more than about 10% of the total ~~extractable~~ fat of the mollusk is DHA.
100. (Original) The mollusk of claim 98, being an abalone.
- 101.-102. (Cancelled)
103. (Currently amended) The animal of claim 81, comprising at least about 60 milligrams lutein per kilogram of feed ~~[[animal]]~~.
104. (Currently amended) The animal of claim 81, comprising at least about 60 milligrams zeaxanthin per kilogram of feed ~~animal~~.
105. – 108. (Cancelled)
109. (Original) The animal of claim 81, wherein the feed further comprises a taurine-containing material.
110. (Original) The animal of claim 109, wherein the feed comprises at least 10 milligrams taurine per kilogram.
111. (Original) The animal of claim 81, wherein the animal has been cultivated with the feed for at least two weeks prior to harvest.
- 112.-114. (Cancelled)